

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022315\
 Data File : BE089648.D
 Acq On : 23 Feb 2015 19:37
 Operator : TP/JJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 24 03:23:07 2015

Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIMPAH-BE022315.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Feb 24 03:06:59 2015

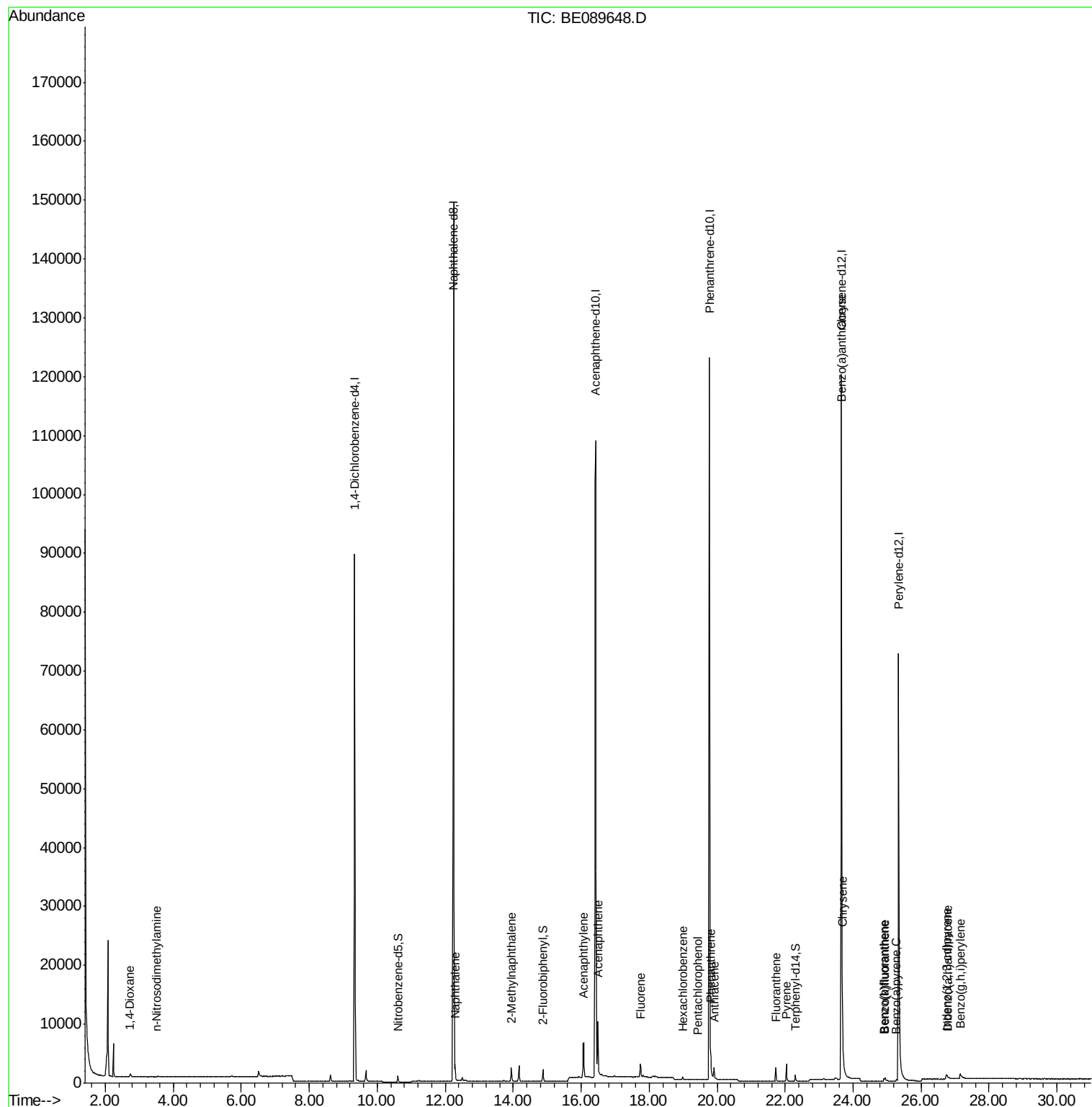
Response via : Initial Calibration

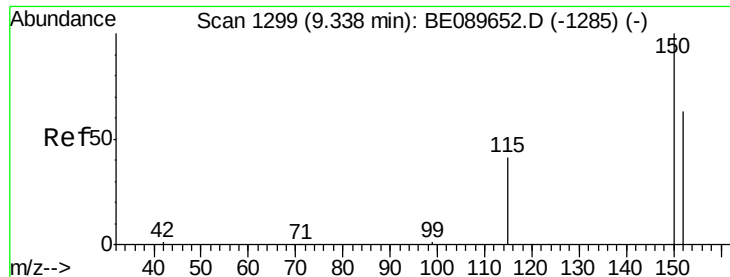
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	39660	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	168186	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	75206	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	139827	5.00	ng	0.00
19) Chrysene-d12	23.66	240	105039	5.00	ng	0.00
25) Perylene-d12	25.34	264	80220	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	890	0.12	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	2099	0.11	ng	0.00
21) Terphenyl-d14	22.30	244	1162	0.07	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	2.73	88	480	0.07	ng	96
3) n-Nitrosodimethylamine	3.53	42	233m	0.03	ng	
6) Naphthalene	12.29	128	3432	0.09	ng	95
7) 2-Methylnaphthalene	13.95	142	1800	0.08	ng	97
10) Acenaphthylene	16.07	152	9573	0.08	ng	98
11) Acenaphthene	16.49	154	1723	0.09	ng	88
12) Fluorene	17.74	166	1824	0.09	ng	99
14) Hexachlorobenzene	18.99	284	377	0.09	ng	90
15) Pentachlorophenol	19.44	266	64	0.06	ng	# 75
16) Phenanthrene	19.81	178	2907m	0.08	ng	
17) Anthracene	19.91	178	2102	0.07	ng	99
18) Fluoranthene	21.72	202	2013	0.08	ng	100
20) Pyrene	22.04	202	2286	0.07	ng	99
22) Benzo(a)anthracene	23.64	228	6301	0.08	ng	96
23) Chrysene	23.68	228	10089	0.09	ng	95
24) Indeno(1,2,3-cd)pyrene	26.74	276	1606	0.04	ng	# 88
26) Benzo(b)fluoranthene	24.91	252	448	0.06	ng	# 80
27) Benzo(k)fluoranthene	24.94	252	1019m	0.05	ng	
28) Benzo(a)pyrene	25.27	252	442	0.05	ng	# 75
29) Dibenzo(a,h)anthracene	26.77	278	277	0.04	ng	# 52
30) Benzo(g,h,i)perylene	27.15	276	2001	0.04	ng	# 71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

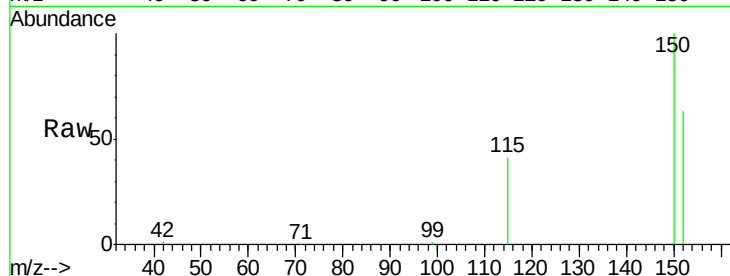
Tot Ion:152 Resp: 39660

Ion Ratio Lower Upper

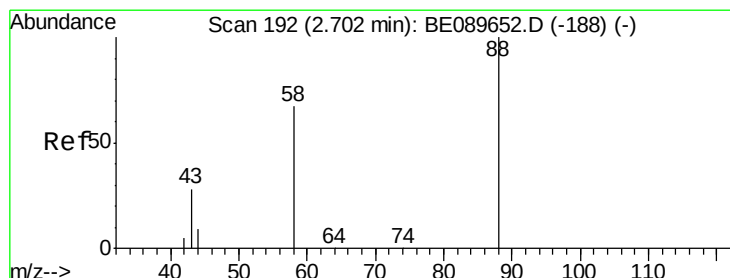
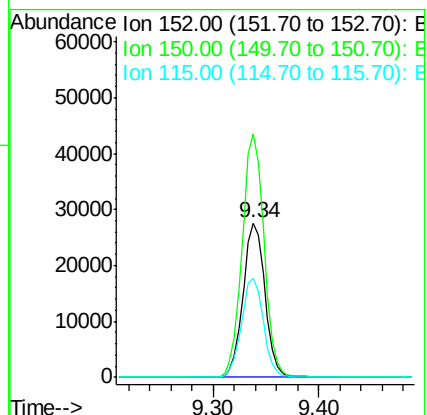
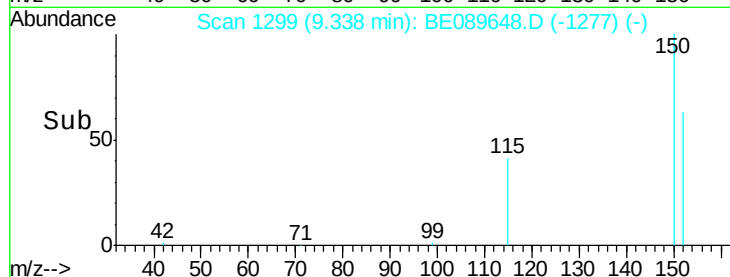
152 100

150 157.5 127.0 190.6

115 64.2 52.4 78.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.07 ng

RT: 2.73 min Scan# 197

Delta R.T. 0.03 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

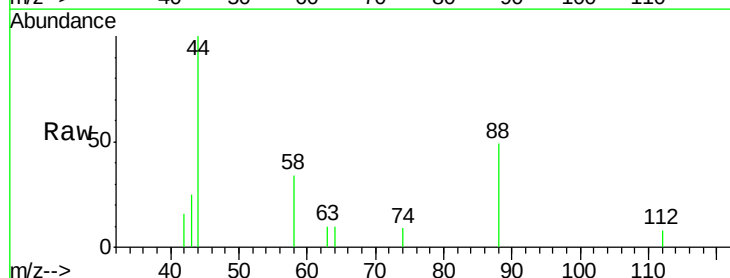
Tgt Ion: 88 Resp: 480

Ion Ratio Lower Upper

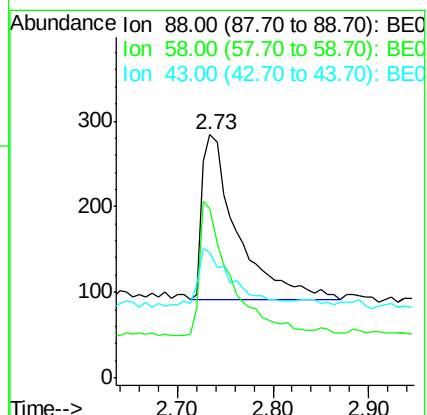
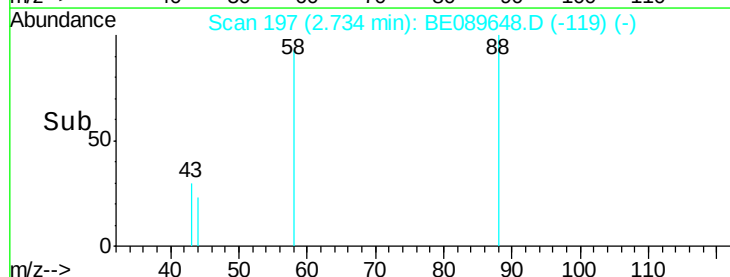
88 100

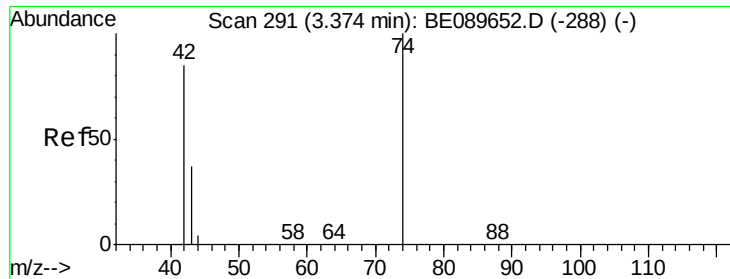
58 72.9 61.8 92.6

43 34.0 26.4 39.6



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0

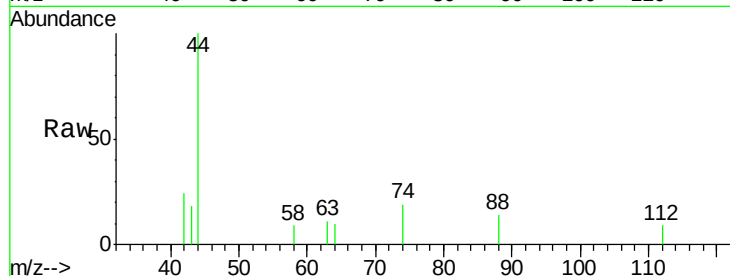




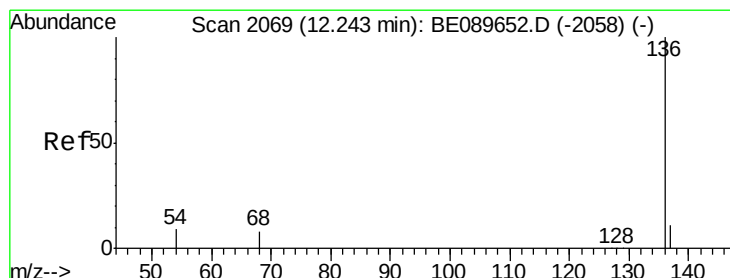
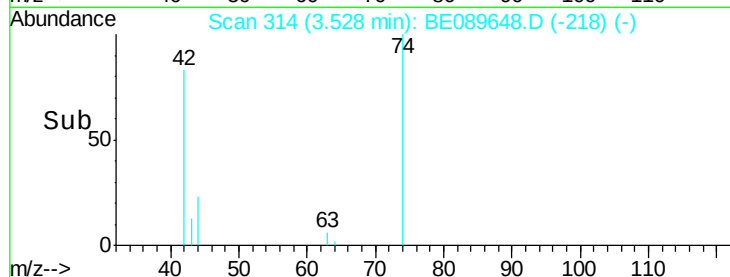
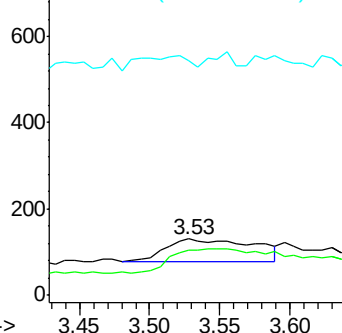
#3

n-Nitrosodimethylamine
Concen: 0.03 ng m
RT: 3.53 min Scan# 314
Delta R.T. 0.15 min
Lab File: BE089648.D
Acq: 23 Feb 2015 19:37

Tot Ion: 42 Resp: 233
Ion Ratio Lower Upper
42 100
74 0.0 92.5 138.7#
44 15.0 4.9 7.3#



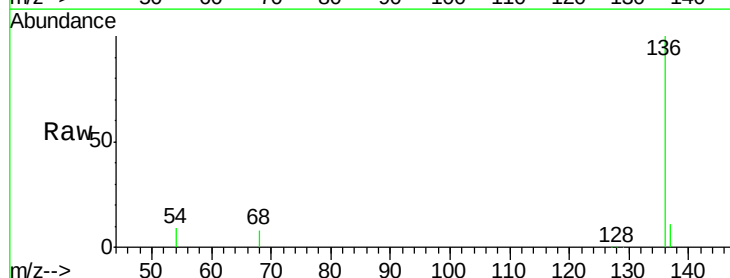
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



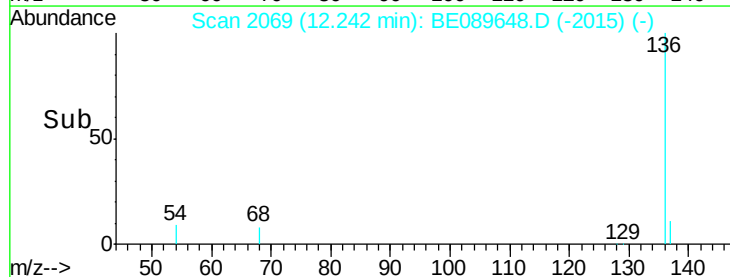
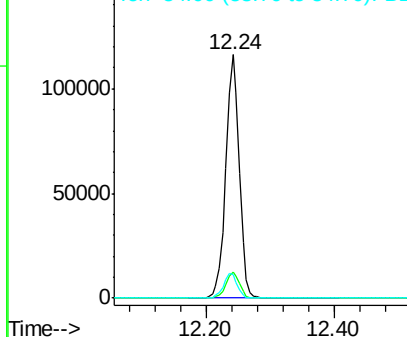
#4

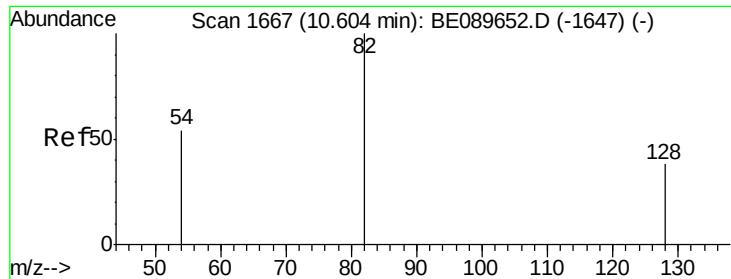
Naphthalene-d8
Concen: 5.00 ng
RT: 12.24 min Scan# 2069
Delta R.T. -0.00 min
Lab File: BE089648.D
Acq: 23 Feb 2015 19:37

Tgt Ion: 136 Resp: 168186
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 9.5 7.5 11.3



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 0.12 ng

RT: 10.61 min Scan# 1669

Delta R.T. 0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

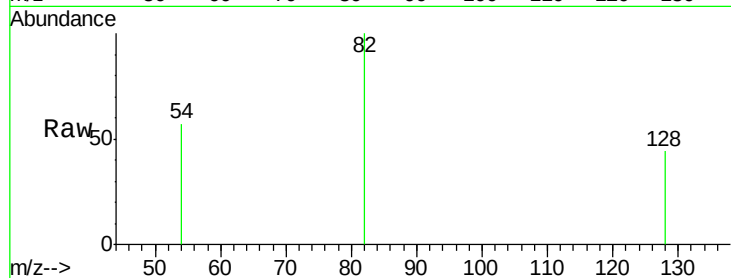
Tot Ion: 82 Resp: 890

Ion Ratio Lower Upper

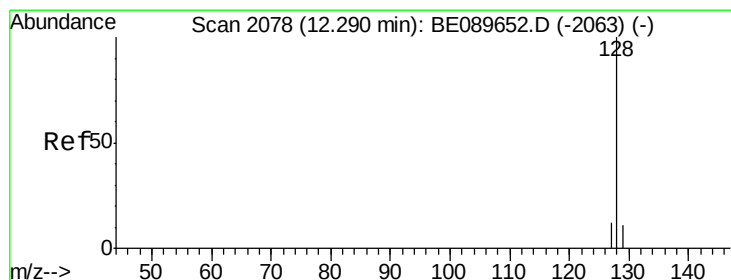
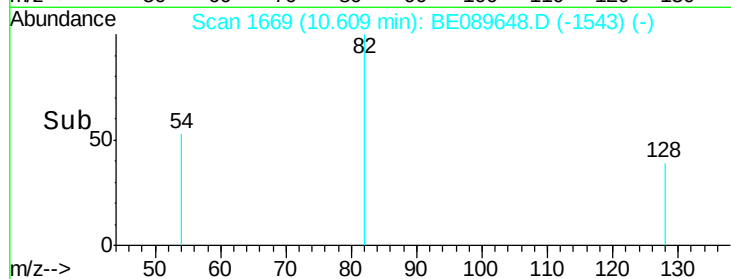
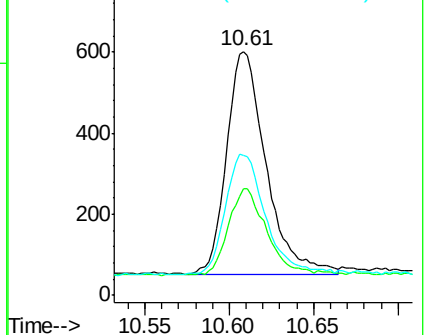
82 100

128 43.6 31.0 46.4

54 57.4 43.8 65.8



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#6

Naphthalene

Concen: 0.09 ng

RT: 12.29 min Scan# 2078

Delta R.T. -0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

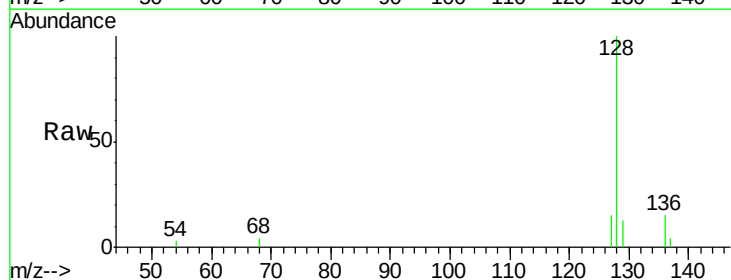
Tgt Ion: 128 Resp: 3432

Ion Ratio Lower Upper

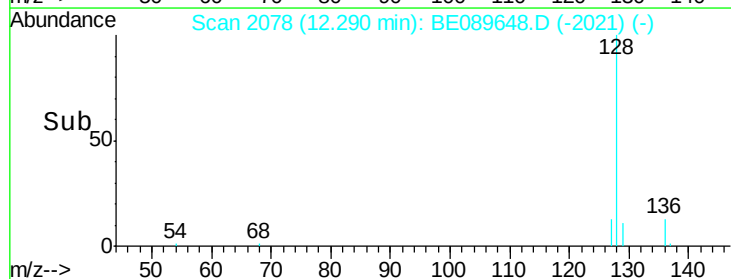
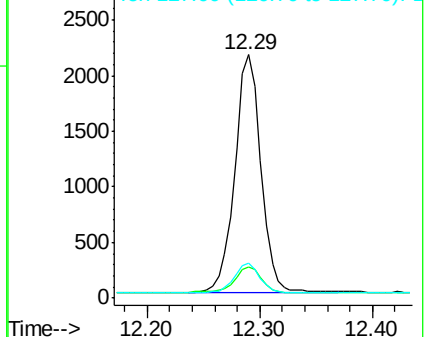
128 100

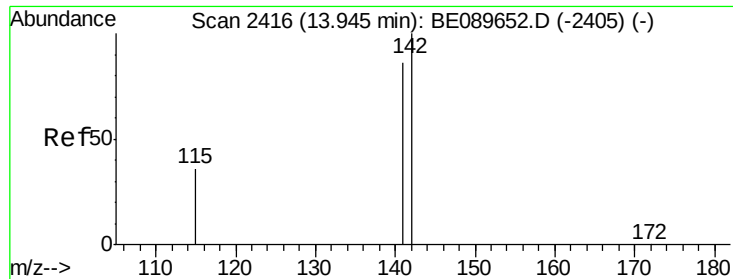
129 12.6 8.8 13.2

127 14.5 9.8 14.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.08 ng

RT: 13.95 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

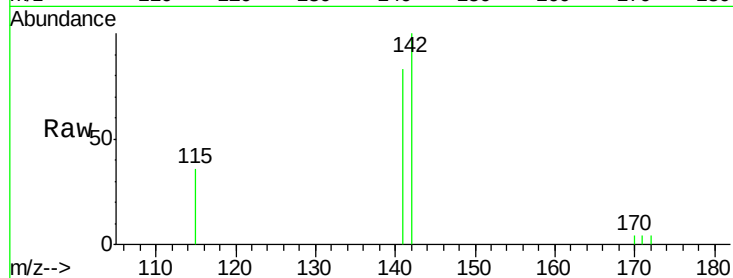
Tot Ion:142 Resp: 1800

Ion Ratio Lower Upper

142 100

141 82.7 68.6 103.0

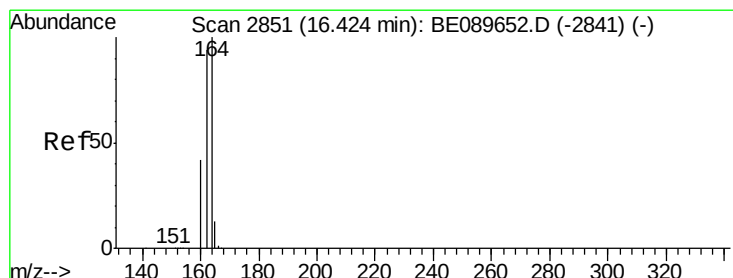
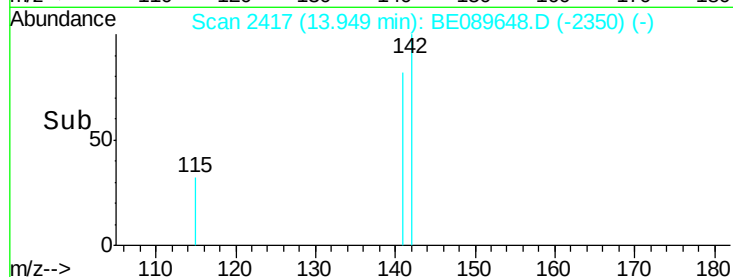
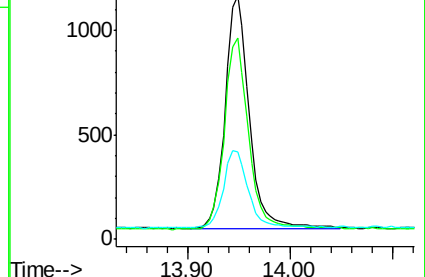
115 35.9 29.0 43.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

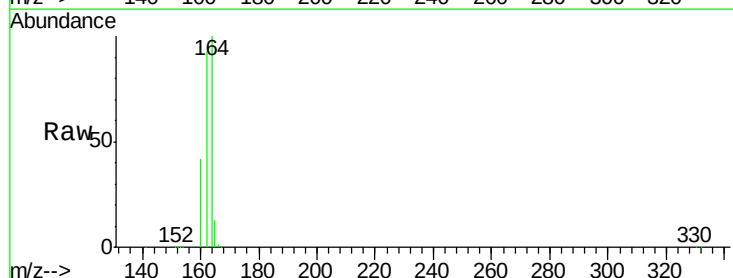
Tgt Ion:164 Resp: 75206

Ion Ratio Lower Upper

164 100

162 93.4 75.4 113.2

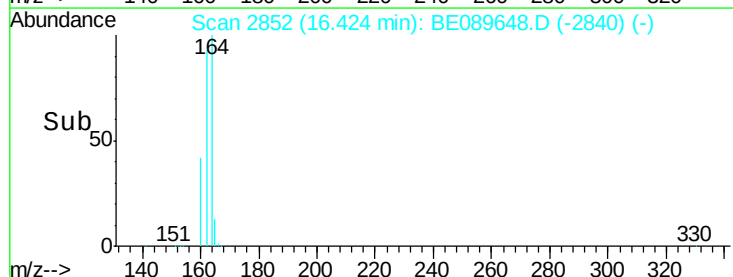
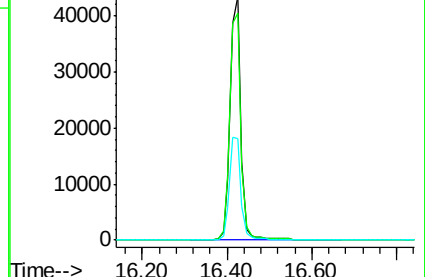
160 41.7 33.7 50.5

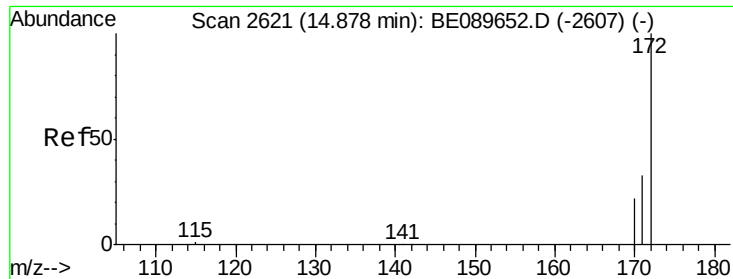


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 0.11 ng

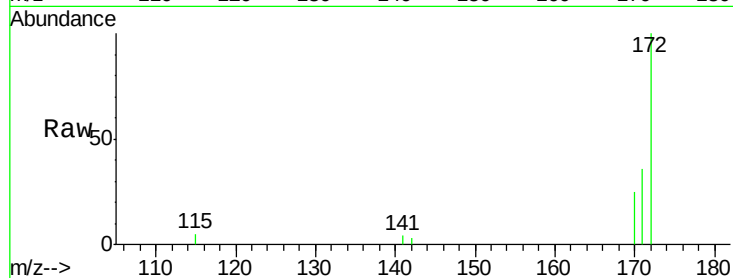
RT: 14.88 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

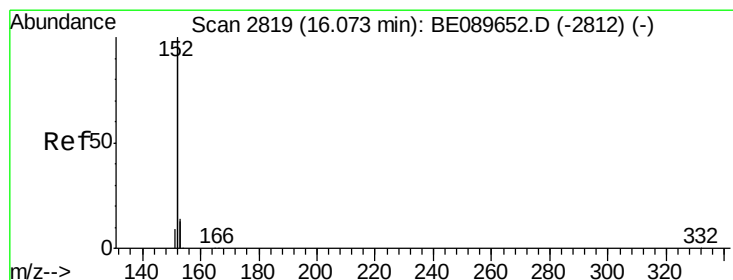
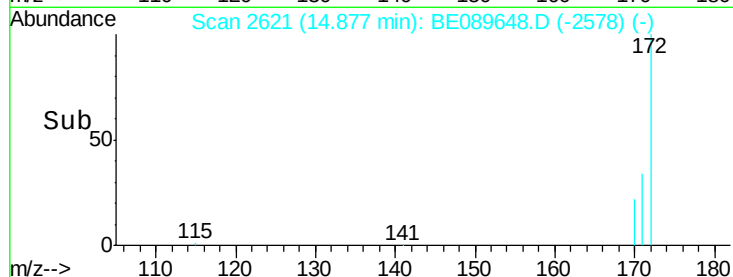
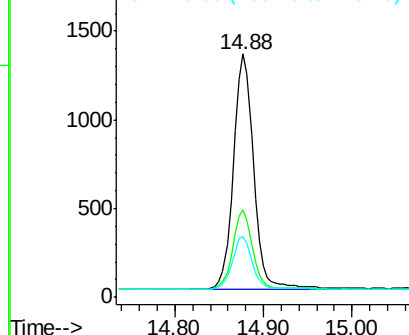
Tot Ion:172	Resp:	2099
Ion	Ratio	Lower Upper
172	100	
171	35.9	26.2 39.4
170	25.0	17.7 26.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#10

Acenaphthylene

Concen: 0.08 ng

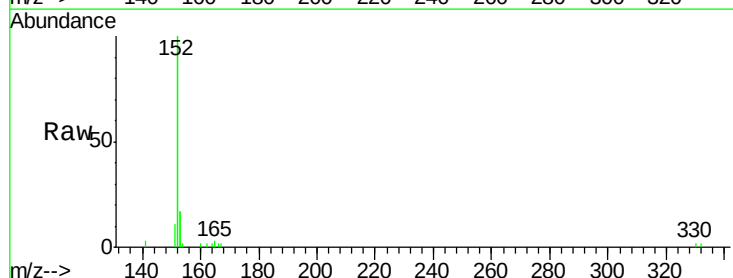
RT: 16.07 min Scan# 2820

Delta R.T. 0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

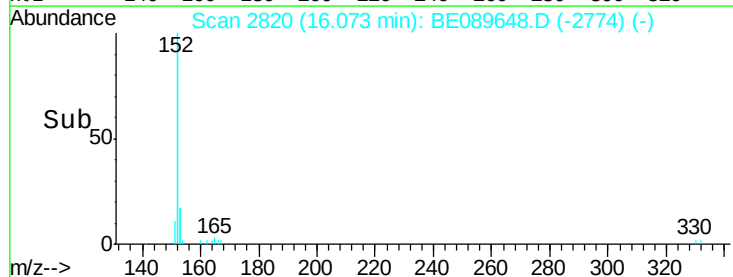
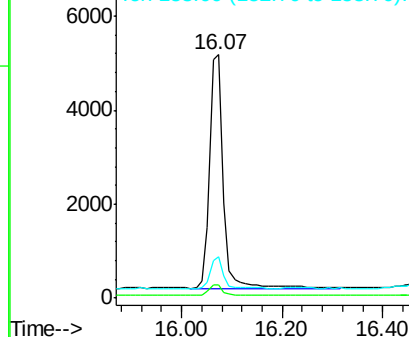
Tgt Ion:152	Resp:	9573
Ion	Ratio	Lower Upper
152	100	
151	4.6	3.8 5.6
153	12.2	10.4 15.6

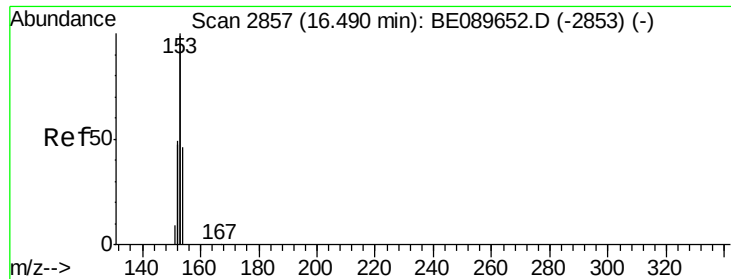


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.09 ng

RT: 16.49 min Scan# 2858

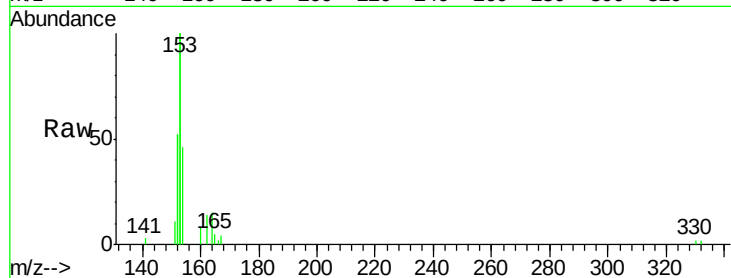
Delta R.T. 0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

Tot Ion:154 Resp: 1723

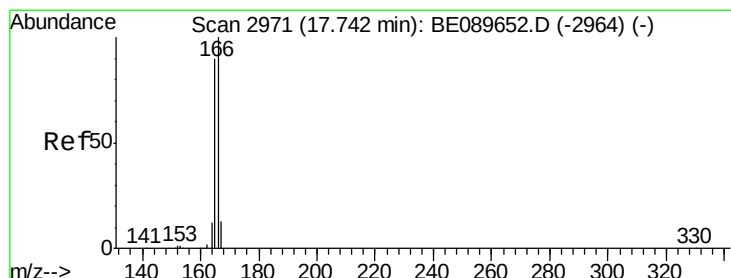
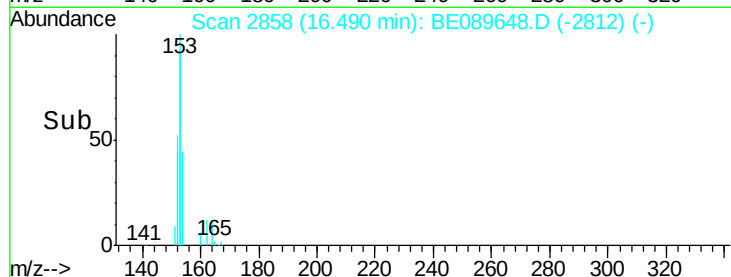
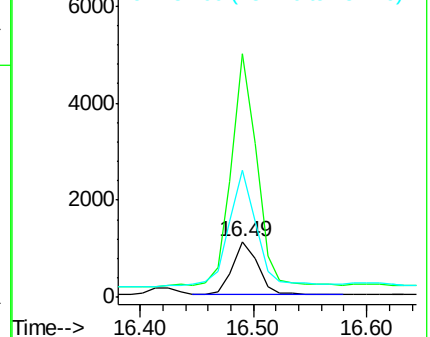
Ion	Ratio	Lower	Upper
154	100		
153	450.9	343.0	514.4
152	236.2	165.8	248.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 0.09 ng

RT: 17.74 min Scan# 2972

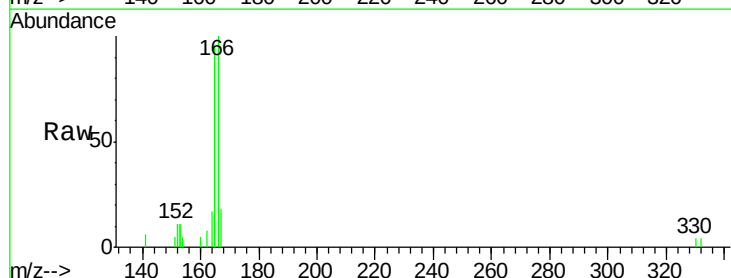
Delta R.T. 0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

Tgt Ion:166 Resp: 1824

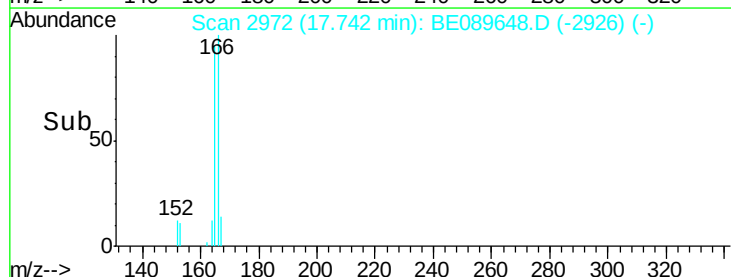
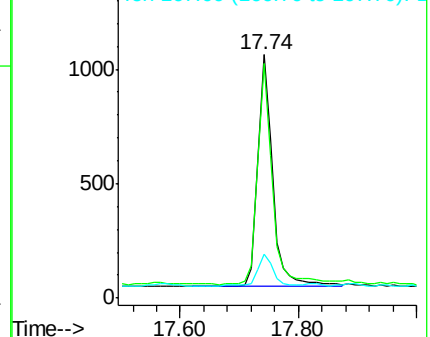
Ion	Ratio	Lower	Upper
166	100		
165	92.5	73.6	110.4
167	14.7	10.5	15.7

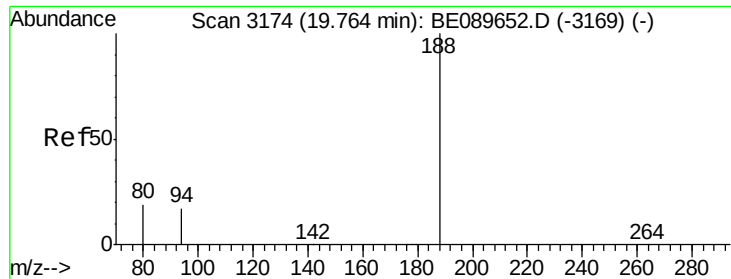


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

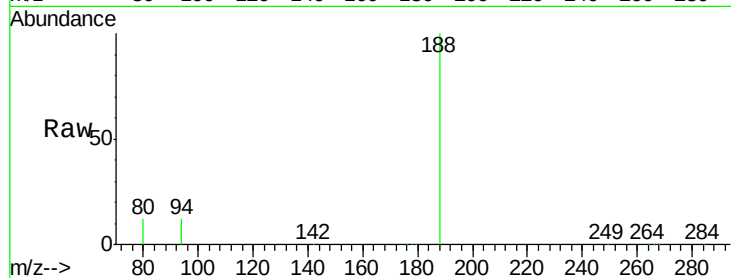
Ion 167.00 (166.70 to 167.70): E



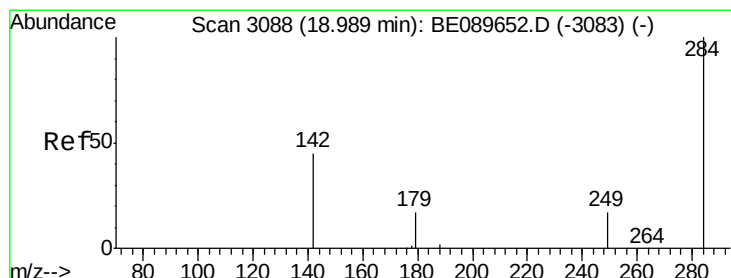
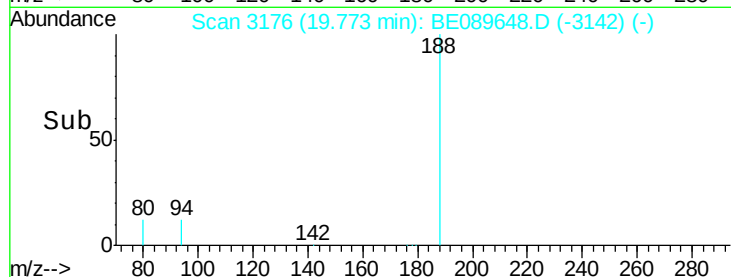
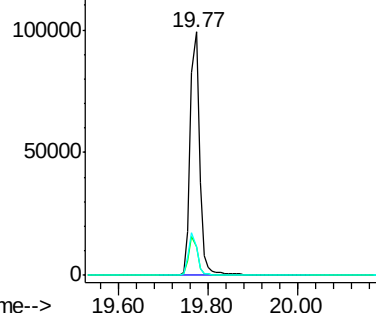


#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BE089648.D
Acq: 23 Feb 2015 19:37

Tot Ion:188 Resp: 139827
Ion Ratio Lower Upper
188 100
94 11.7 13.8 20.8#
80 11.8 15.0 22.6#

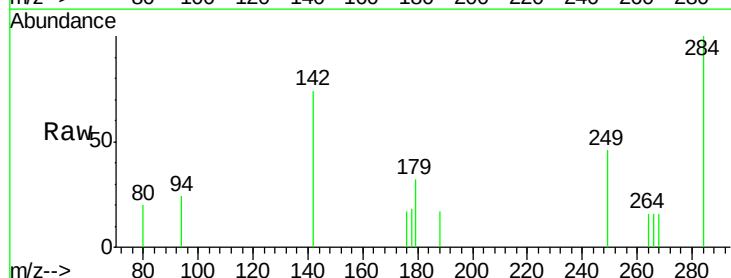


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

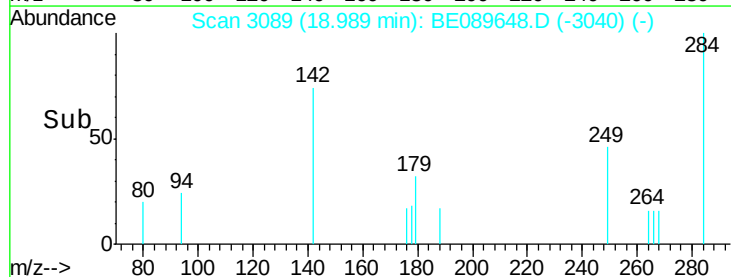
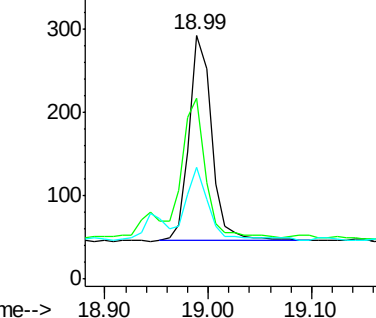


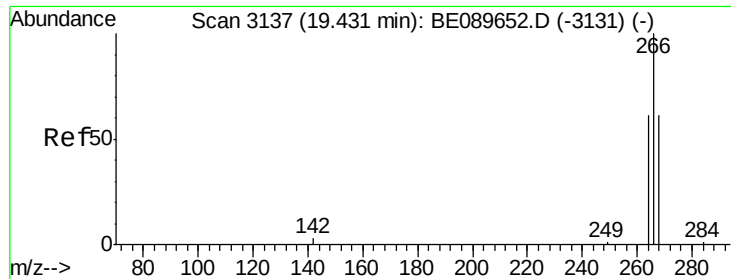
#14
Hexachlorobenzene
Concen: 0.09 ng
RT: 18.99 min Scan# 3089
Delta R.T. -0.00 min
Lab File: BE089648.D
Acq: 23 Feb 2015 19:37

Tgt Ion:284 Resp: 377
Ion Ratio Lower Upper
284 100
142 80.9 55.0 82.6
249 32.4 26.1 39.1



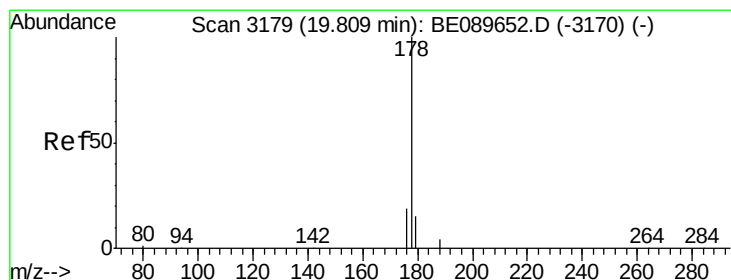
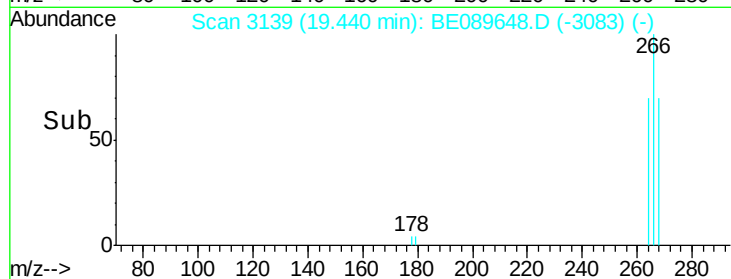
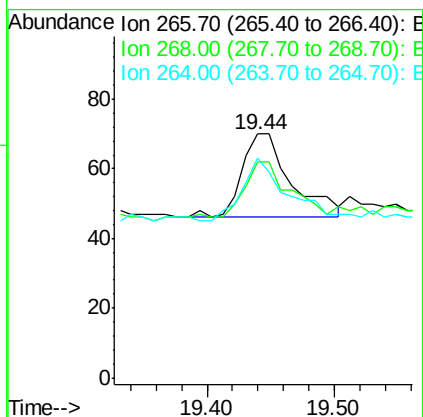
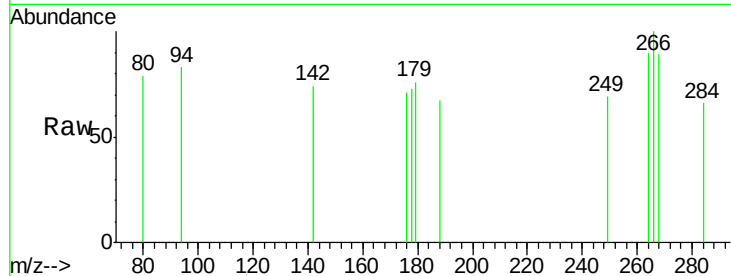
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





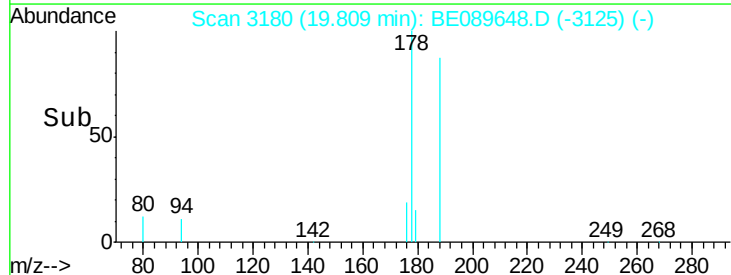
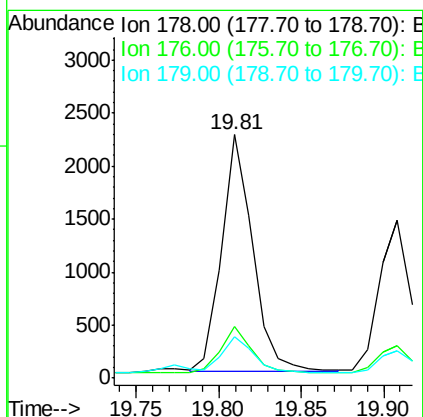
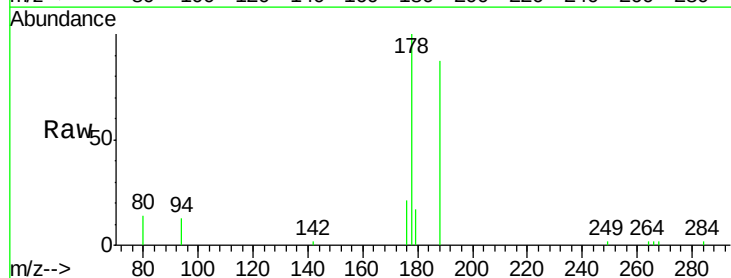
#15
 Pentachlorophenol
 Concen: 0.06 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. 0.01 min
 Lab File: BE089648.D
 Acq: 23 Feb 2015 19:37

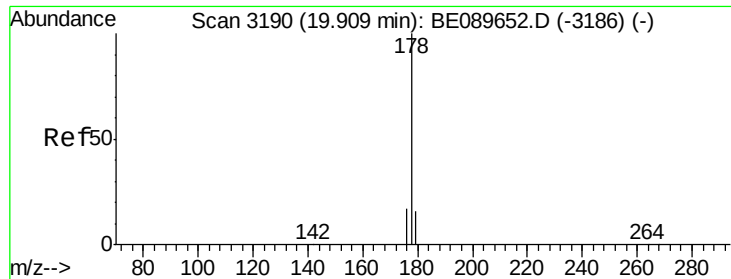
Tot Ion: 266 Resp: 64
 Ion Ratio Lower Upper
 266 100
 268 88.6 54.7 82.1#
 264 90.0 55.4 83.0#



#16
 Phenanthrene
 Concen: 0.08 ng m
 RT: 19.81 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: BE089648.D
 Acq: 23 Feb 2015 19:37

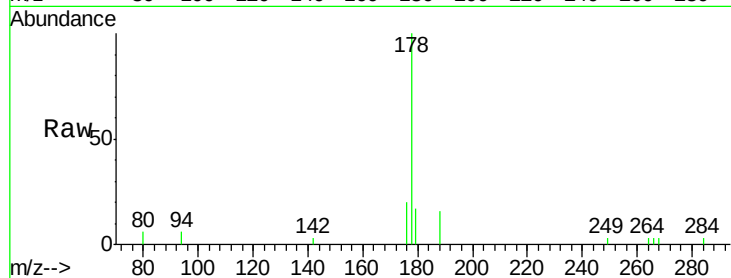
Tgt Ion: 178 Resp: 2907
 Ion Ratio Lower Upper
 178 100
 176 13.3 15.3 22.9#
 179 10.5 12.3 18.5#



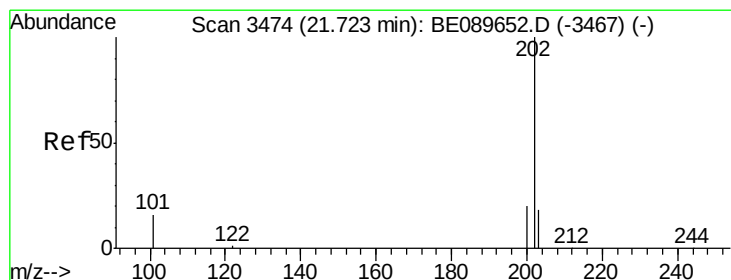
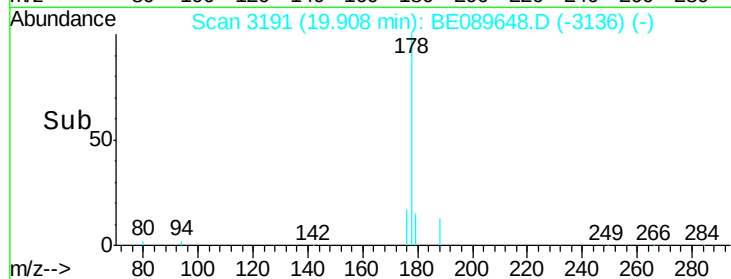
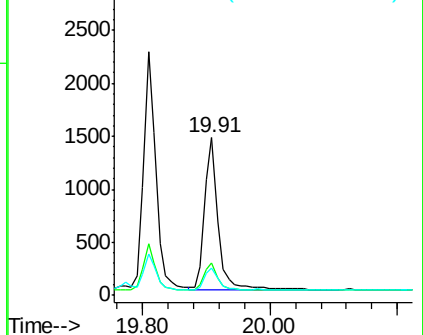


#17
 Anthracene
 Concen: 0.07 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. -0.00 min
 Lab File: BE089648.D
 Acq: 23 Feb 2015 19:37

Tot Ion:178 Resp: 2102
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.3 21.5
 179 14.5 12.1 18.1

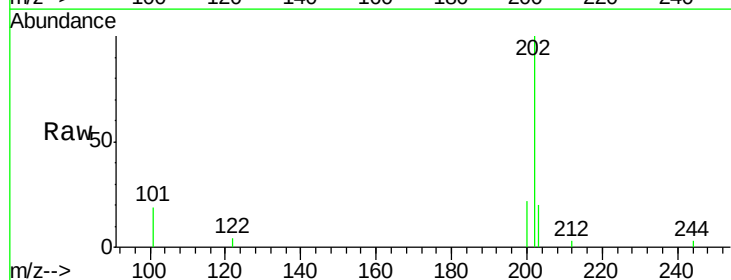


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

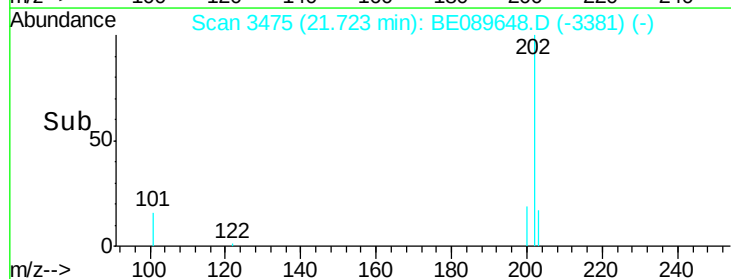
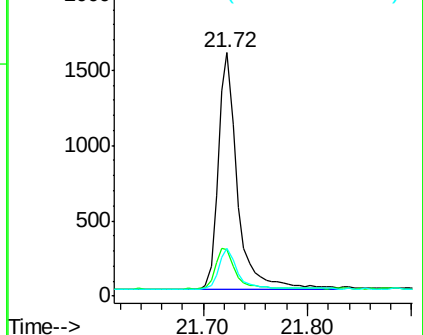


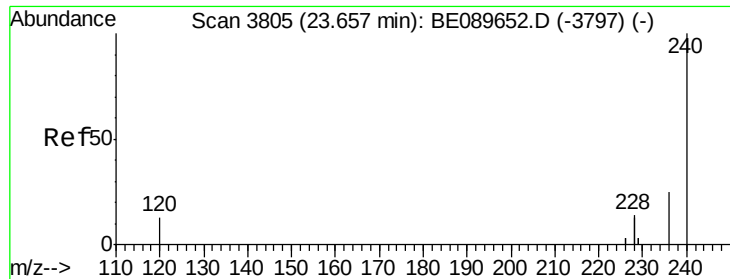
#18
 Fluoranthene
 Concen: 0.08 ng
 RT: 21.72 min Scan# 3475
 Delta R.T. 0.00 min
 Lab File: BE089648.D
 Acq: 23 Feb 2015 19:37

Tgt Ion:202 Resp: 2013
 Ion Ratio Lower Upper
 202 100
 101 18.4 14.9 22.3
 203 16.9 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3806

Delta R.T. 0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

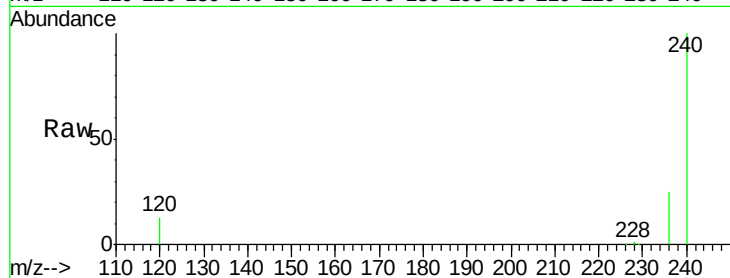
Tot Ion:240 Resp: 105039

Ion Ratio Lower Upper

240 100

120 12.7 10.6 15.8

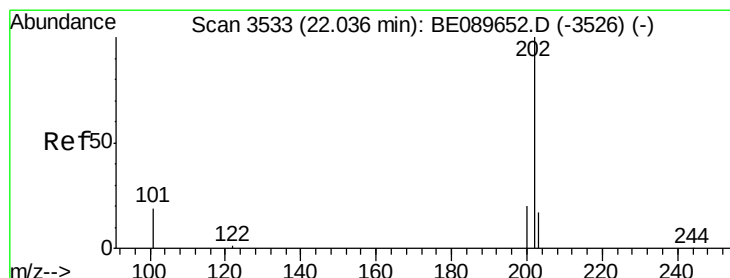
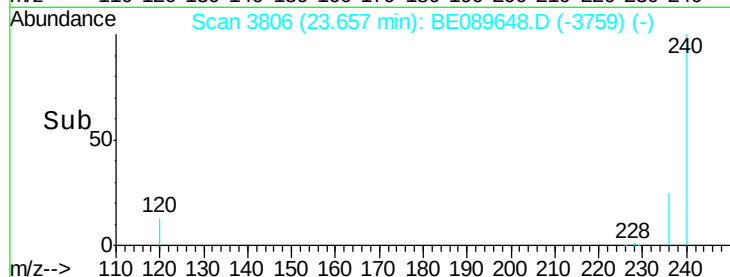
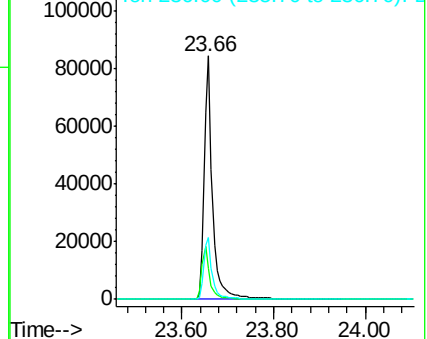
236 25.3 20.3 30.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 0.07 ng

RT: 22.04 min Scan# 3534

Delta R.T. 0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

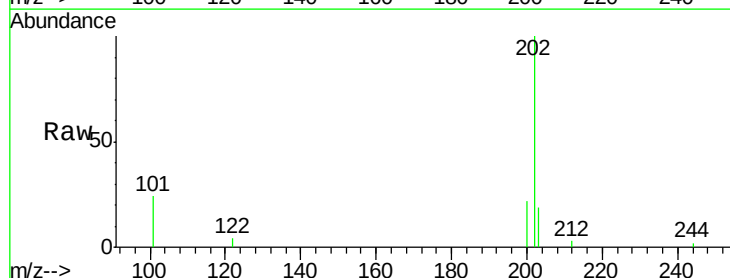
Tgt Ion:202 Resp: 2286

Ion Ratio Lower Upper

202 100

200 19.8 16.5 24.7

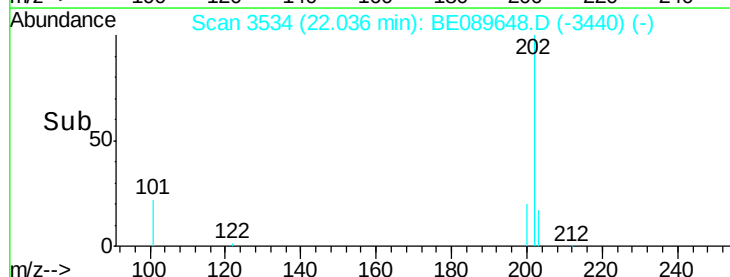
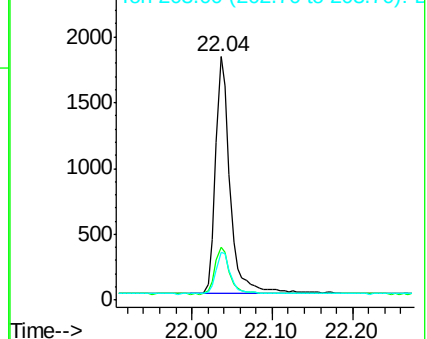
203 17.7 13.8 20.6

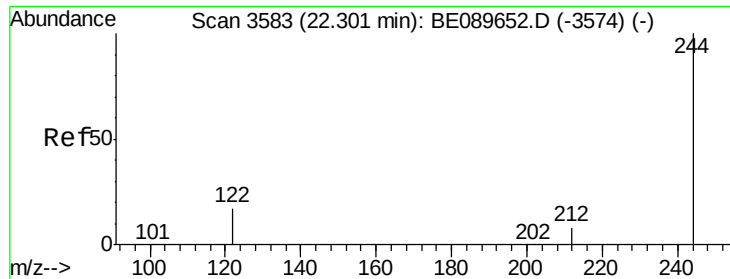


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

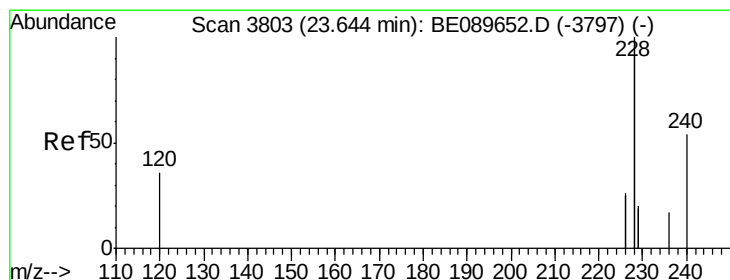
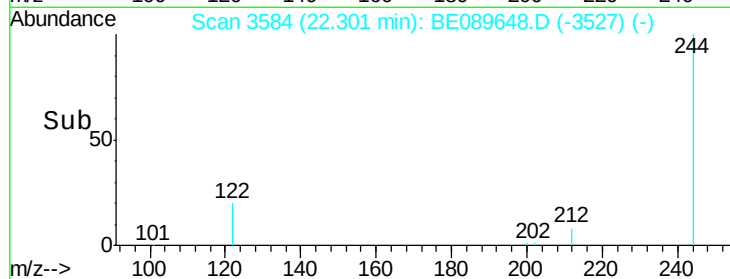
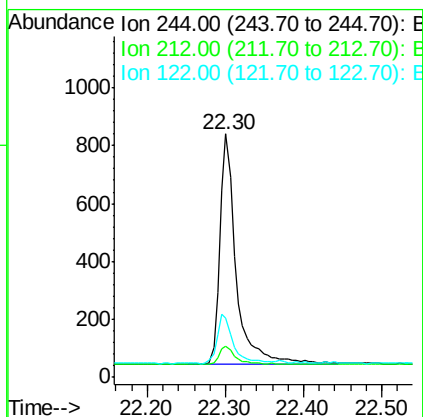
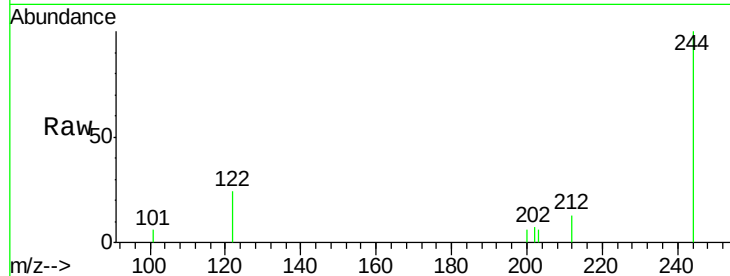
Ion 203.00 (202.70 to 203.70): E





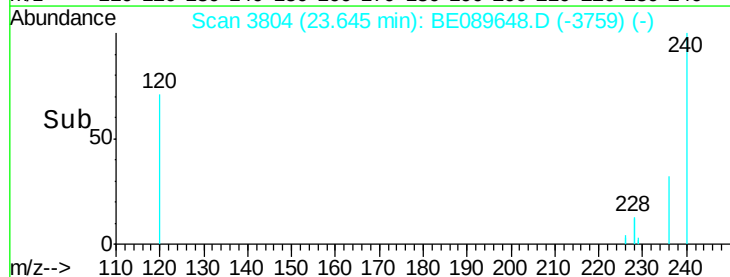
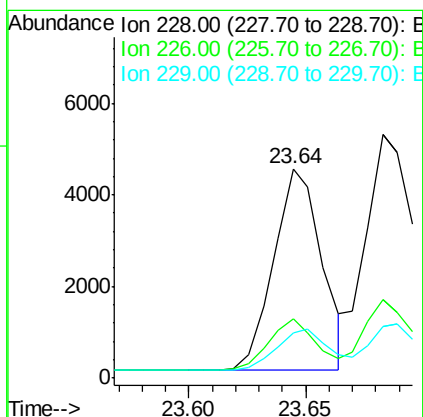
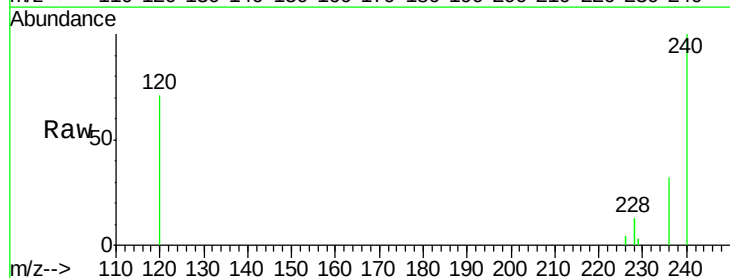
#21
 Terphenyl-d14
 Concen: 0.07 ng
 RT: 22.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: BE089648.D
 Acq: 23 Feb 2015 19:37

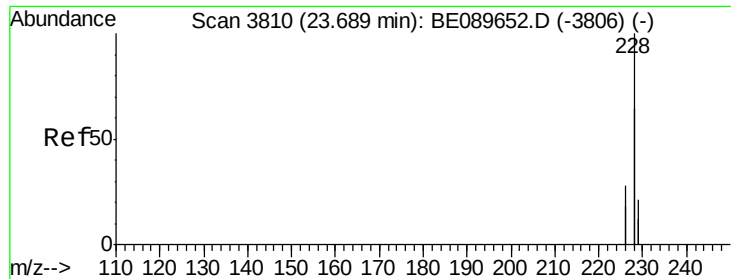
Tot Ion: 244 Resp: 1162
 Ion Ratio Lower Upper
 244 100
 212 12.8 6.6 10.0#
 122 24.3 13.7 20.5#



#22
 Benzo(a)anthracene
 Concen: 0.08 ng
 RT: 23.64 min Scan# 3804
 Delta R.T. 0.00 min
 Lab File: BE089648.D
 Acq: 23 Feb 2015 19:37

Tgt Ion: 228 Resp: 6301
 Ion Ratio Lower Upper
 228 100
 226 28.1 20.9 31.3
 229 21.6 15.8 23.6





#23

Chrysene

Concen: 0.09 ng

RT: 23.68 min Scan# 3810

Delta R.T. -0.01 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

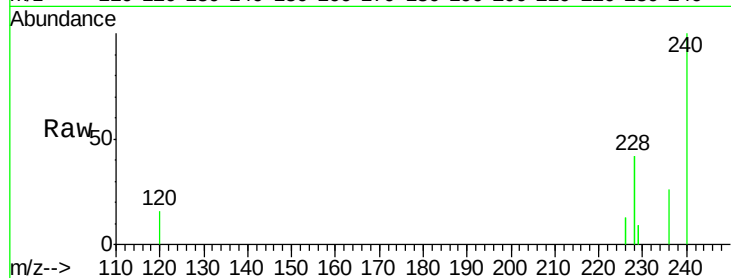
Tot Ion:228 Resp: 10089

Ion Ratio Lower Upper

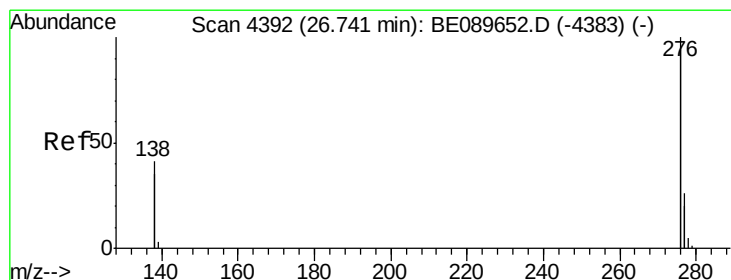
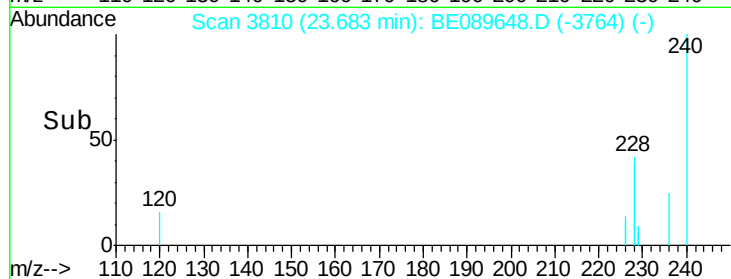
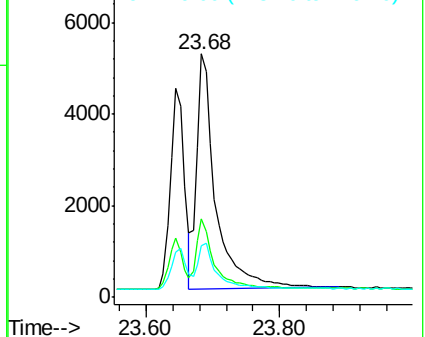
228 100

226 32.0 22.0 33.0

229 21.3 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng

RT: 26.74 min Scan# 4393

Delta R.T. 0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

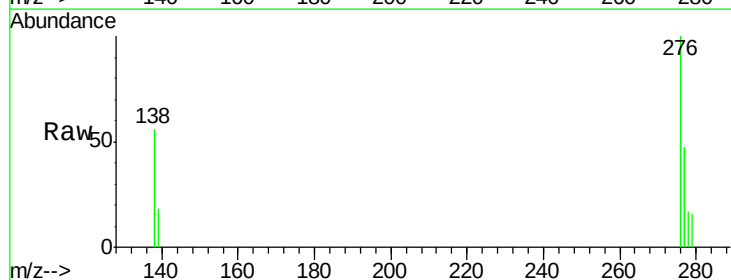
Tgt Ion:276 Resp: 1606

Ion Ratio Lower Upper

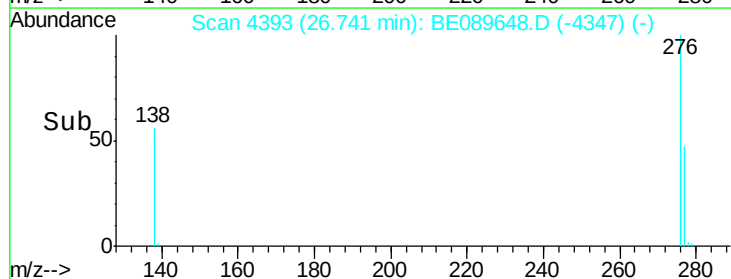
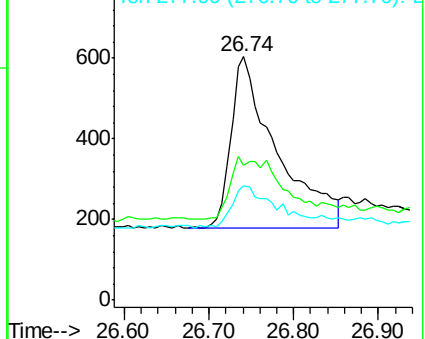
276 100

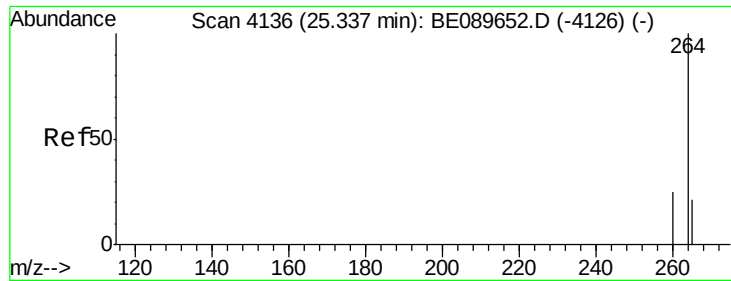
138 40.5 36.2 54.4

277 22.2 5.4 8.2#



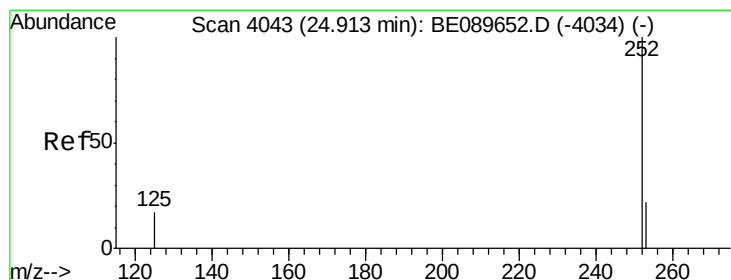
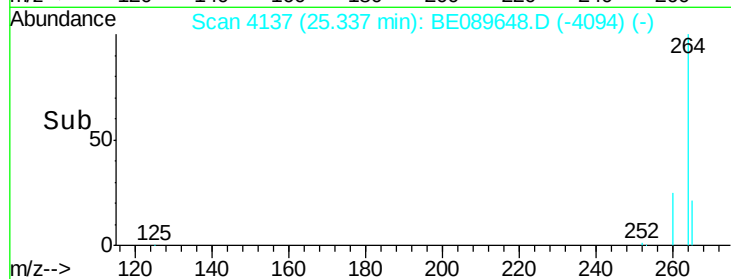
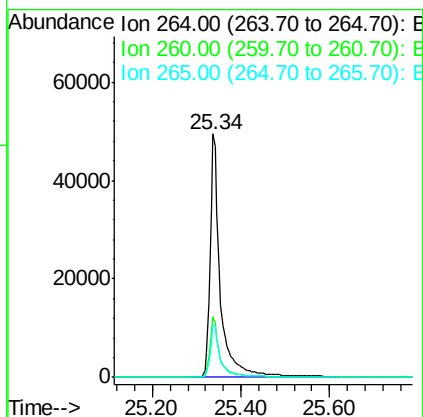
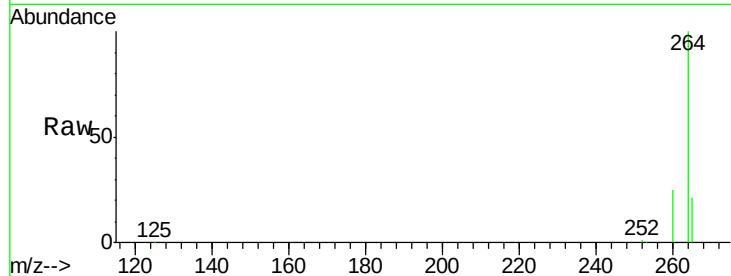
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





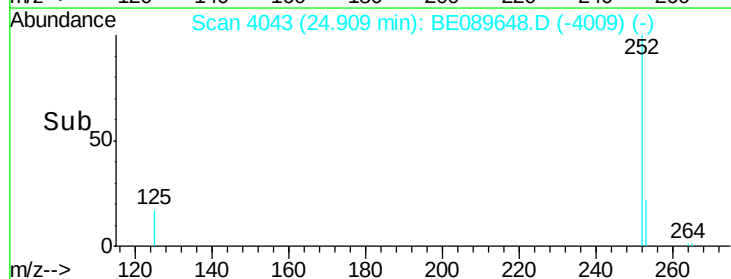
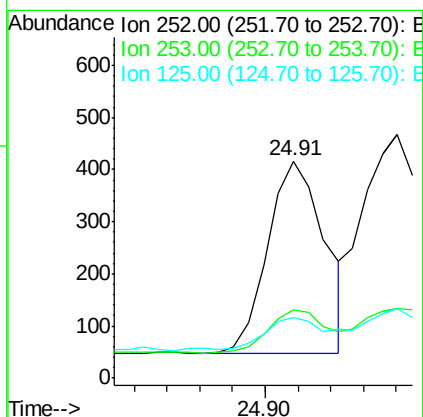
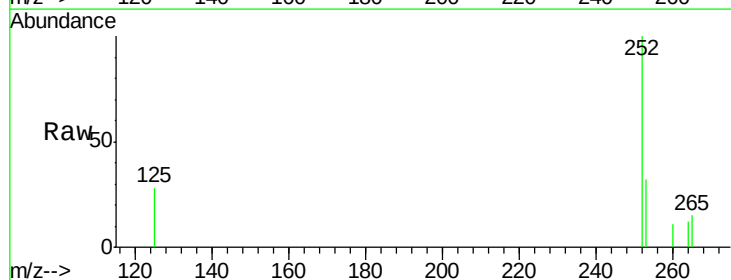
#25
Pervlene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4137
Delta R.T. 0.00 min
Lab File: BE089648.D
Acq: 23 Feb 2015 19:37

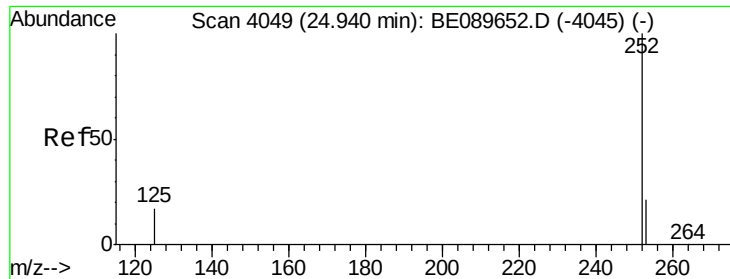
Tot Ion:264 Resp: 80220
Ion Ratio Lower Upper
264 100
260 25.1 20.0 30.0
265 21.0 16.8 25.2



#26
Benzo(b)fluoranthene
Concen: 0.06 ng
RT: 24.91 min Scan# 4043
Delta R.T. -0.00 min
Lab File: BE089648.D
Acq: 23 Feb 2015 19:37

Tgt Ion:252 Resp: 448
Ion Ratio Lower Upper
252 100
253 31.7 18.3 27.5#
125 28.1 14.6 22.0#





#27

Benzo(k)fluoranthene

Concen: 0.05 ng m

RT: 24.94 min Scan# 4050

Delta R.T. 0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

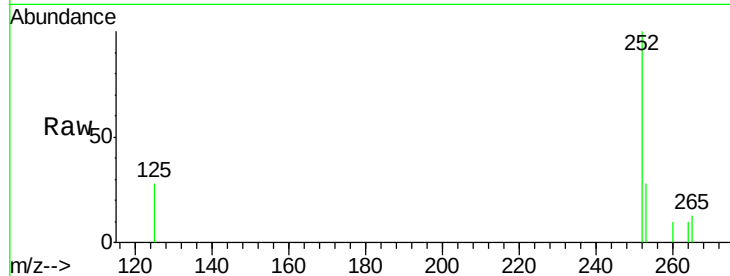
Tot Ion:252 Resp: 1019

Ion Ratio Lower Upper

252 100

253 28.5 17.8 26.8#

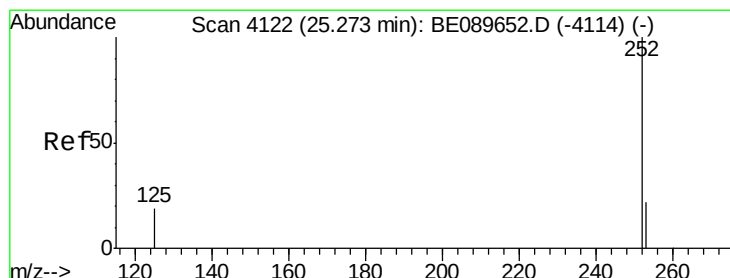
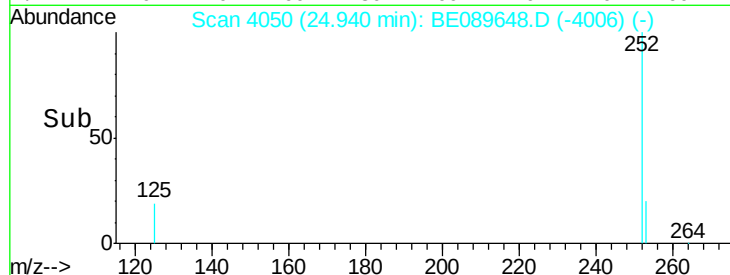
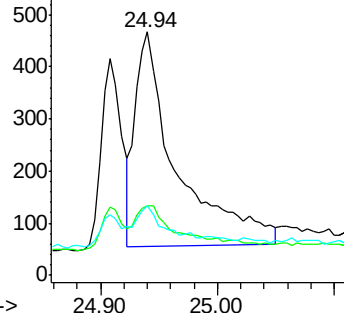
125 28.5 14.3 21.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#28

Benzo(a)pyrene

Concen: 0.05 ng

RT: 25.27 min Scan# 4122

Delta R.T. -0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

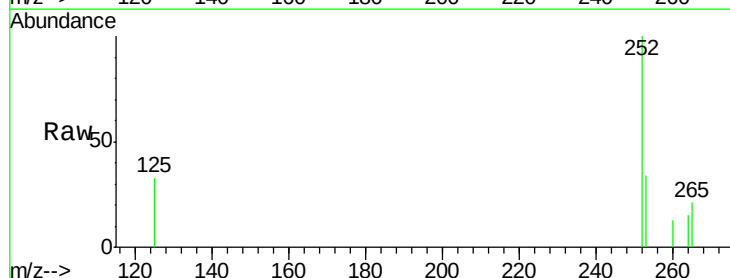
Tgt Ion:252 Resp: 442

Ion Ratio Lower Upper

252 100

253 34.0 18.4 27.6#

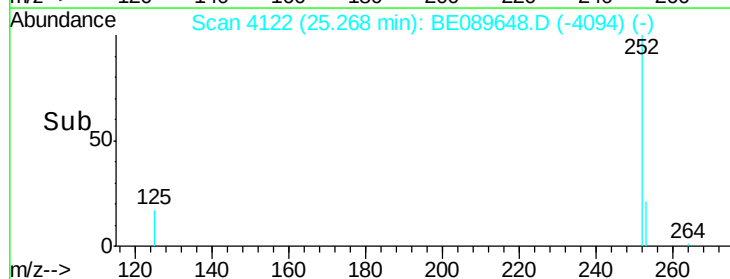
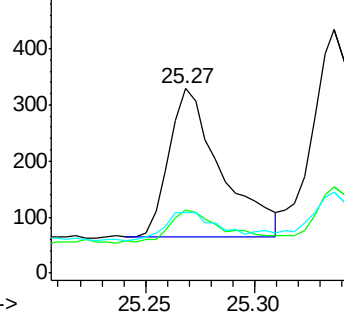
125 32.5 15.9 23.9#

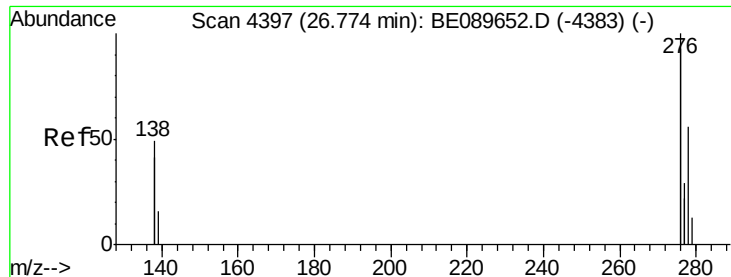


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 26.77 min Scan# 4398

Delta R.T. 0.00 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

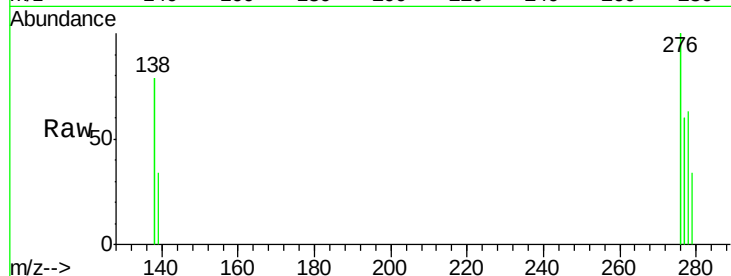
Tot Ion:278 Resp: 277

Ion Ratio Lower Upper

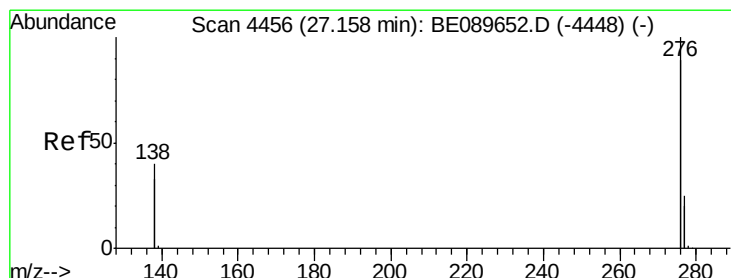
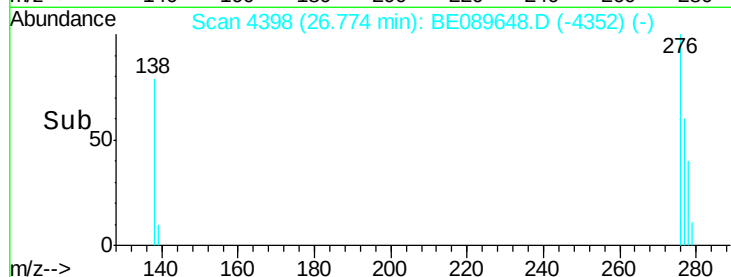
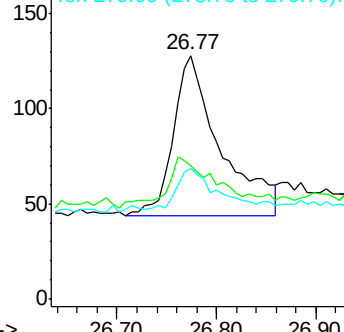
278 100

139 54.7 25.4 38.2#

279 53.9 20.0 30.0#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#30

Benzo(g,h,i)perylene

Concen: 0.04 ng

RT: 27.15 min Scan# 4456

Delta R.T. -0.01 min

Lab File: BE089648.D

Acq: 23 Feb 2015 19:37

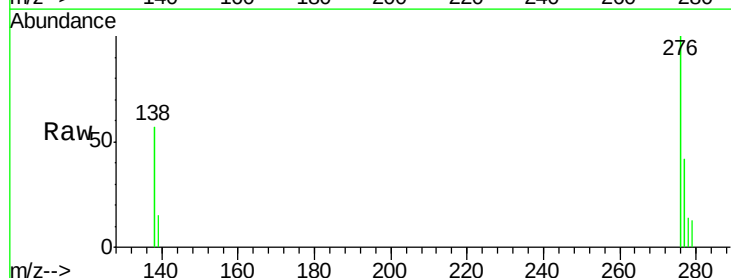
Tgt Ion:276 Resp: 2001

Ion Ratio Lower Upper

276 100

277 41.8 20.2 30.2#

138 57.1 32.4 48.6#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

